

# METHODS AND APPARATUS FOR AUTOMATED TESTBENCH GENERATION

## **Abstract of the Disclosure**

5           Methods and apparatus are provided for efficiently generating designs for  
testing design automation tools and applications. Randomized and diverse test  
designs with realistic attributes are automatically generated to allow comprehensive  
testing of design automation tools such as synthesis, simulation, and place and route  
tools used to implement designs on electronic devices. Each test design can  
10 incorporate a wide range of attributes to allow thorough integration testing of a design  
automation tool.